

Claims

- [c1] A treatment for dental unit water systems comprising:
an undiluted shock solution with silver colloid present at a concentration of 5–25 ppm and hydrogen peroxide present at a concentration of 0.3% – 30% by weight; and
a maintenance solution with silver colloid present at a concentration of 5–25 ppm and hydrogen peroxide present at a concentration of 0% – 30% by weight, wherein the maintenance solution is diluted with distilled water at a ratio of one part maintenance solution to 32 parts water.
- [c2] The treatment of claim 1 wherein the undiluted shock treatment includes a first colorant and the diluted maintenance solution includes a second colorant.
- [c3] The treatment of claim 1 wherein the shock treatment includes a trace amount of sodium bicarbonate.
- [c4] The treatment of claim 1 wherein the shock treatment is separated into a first container containing all of the silver colloid and a second container containing all of the hydrogen peroxide for extended storage.
- [c5] A method of treating dental water unit systems of the type comprising a reservoir, at least one dental water unit line, and at least one dental instrument, all in fluid communication and where water will flow from the reservoir through the at least one dental water unit line and exit from the at least one dental instrument, the method comprising the steps of:
placing an undiluted shock treatment into a reservoir of a dental water unit system;
directing the undiluted shock treatment through the dental water unit system until the dental water unit system is full of shock treatment;
flushing the dental water unit system with more undiluted shock treatment; and
replacing the shock treatment with a diluted maintenance treatment.
- [c6] The method of claim 5 wherein the undiluted shock treatment is placed into the reservoir for at least 24 hours.
- [c7] The method of claim 5 wherein the dental water unit system is flushed for 20–

30 seconds.

- [c8] The method of claim 5 wherein the shock treatment comprises silver colloid present at a concentration of 5–25 ppm and hydrogen peroxide present at a concentration of 0.3% – 30% by weight.
- [c9] The method of claim 5 wherein the diluted maintenance treatment comprises a solution of water and silver colloid present at a concentration of 5–25 ppm and hydrogen peroxide present at a concentration of 0% – 30% by weight, said solution diluted with distilled water at a ratio of one part maintenance solution to 32 parts distilled water.
- [c10] The method of claim 5 wherein the shock treatment comprises a first colorant and the maintenance treatment comprises a second colorant, and the replacement step comprises placing the maintenance treatment into the reservoir and directing it through the dental water unit system until the first colorant is visually replaced by the second colorant.
- [c11] The method of claim 5 wherein the undiluted maintenance treatment is in the form of a prepackaged amount and the reservoir has a visual indicium corresponding to a predetermined solution when the prepackaged amount and water are added to the reservoir.